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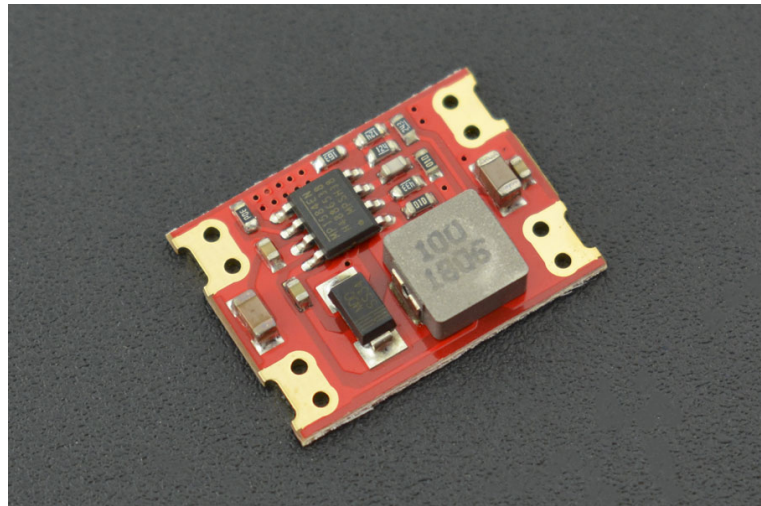
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DC-DC Buck-Mode Power Module (8~28V to 5V 3A)

DC-DC Buck-Mode Pov 5V 3A)

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INTRODUCTION

This is a DC-DC buck-mode power module, with input voltage range 8V~28V and fixed output voltage/current 5V/3A. frequency can reach to 0.5MHz. The module has high conversion rate and small size, easy to embed.

Besides, it has steady output voltage, which can work long time without voltage shift and is suitable for the occasions requirements. This product can work with some high-capacity and high-voltage batteries to DIY some mobile power. I embedded into your project to provide multiple power options.

FEATURES

- Small size, stable performance, wide voltage range for a variety of DIY applications

APPLICATIONS

Power supply for controller main-board, DIY current source, floodlight, DIY toy car, communication device, digital radio

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Efficency vs Output Current

DC-DC Buck-Mode Pov
Module (8~28V to 5V

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(VIN=12V VO=3.3V FS=0.5MH

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Efficency vs Output Current

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(VIN=24V VO=3.3V FS=0.5MHz)

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Efficency vs Output Current

(VIN=28V VO=3.3V FS=0.5MHz)
Efficency vs Output Current

INPUT 5.5~28V **Vi+**   Step-down Power Module   **Vo+** OUTPUT 3.3V

INTPUT Power Ground **Vi-**   **Vo-** OUTPUT Power Ground
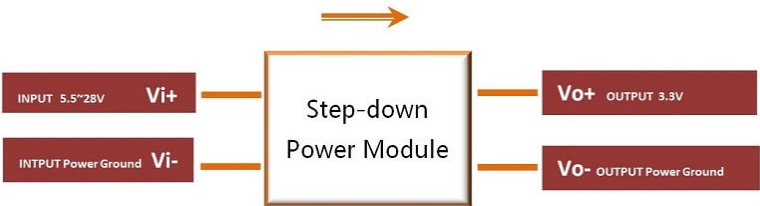
- Output Voltage: 5V
- Output Accuracy: ±0.1V
- The Maximum Output Peak Current: 3A
- Full-Load Output Ripple: Vpp<50mV
- No-Load Current: IQ 0.5mA
- Switch-Off Function: Not Support
- Operating Temperature: -20℃ ~ +85℃
- Operating Humidity: 20% ~ 90% relative humidity, no condensation
- Storage Temperature: -40℃ ~ +125℃
- Installation Method: Chip-mounting
- With or Without Isolation: Without Isolation
- Service Life: 30000h
- Dimension : 16.5×22mm/0.65×0.87inch

NOTE

- The input voltage must within 28V.
- Load current should not be in 3A or above for a long time, otherwise it will affect burn out.
- If the load current is relatively high, you should increase the minimum input volta

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REVIEW

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